Appendix B

Data Quality Assurance/Quality Assurance Review

Shaw Environmental, Inc. QA/QC Review
Groundwater – First Semiannual (1Q 2008) Compliance Groundwater Monitoring Event
Leichner Brothers Recycling and Disposal Facility
CAS – Kelso, Washington, Report Number K0802413

Samples: LB-031908-2 (LB-5D), LB-031908-3 (LB-5D Duplicate), LB-031908-1 (LB-5S), LB-031908-5 (LB-27D), LB-032008-4 (LB-27I), LB-032008-6 (LB-27I Duplicate) and Trip Blank.

Sample Date: 03/19/2008

Laboratory Sample Received Date: 03/19/2008 Laboratory Data Received Date: 04/14/2008 QA/QC Review Date: 04/21/2008 (JMJ)

Laboratory Sample Receipt Information: Samples received in good condition at a temperature of 4.7 °C.

VOCs

Surrogates All sample surrogate % recoveries within QC limits.

Trip Blank All ND.

Method Blank All ND, surrogate % recoveries within control limits.

LCS All % recoveries within QC limits, and all surrogate % recoveries within QC limits.

Matrix Spike All % recoveries within QC limits.

MSD All RPDs within control limits.

The primary evaluation criterion was exceeded for methylene chloride and bromoform in ICAL ID 7189. Additional details can be found in the case narrative.

Dissolved Metals

Method Blank All ND.

LCS All % recoveries within QC limits.

Duplicates All RPDs within QC limits.

Matrix Spikes All % recoveries within QC limits.

General Chemistry

Method blanks All ND.

LCS All % recoveries within QC limits.

Duplicates All RPDs within QC limits.

Matrix Spikes All % recoveries within QC limits.

Hold Times

All analytical hold times were met.

Reporting Limits

All established reporting limits were met.

Field QA/QC

Trip Blanks

A laboratory supplied trip blank was carried into the field with all the samples and returned to the laboratory for 8260 analysis. All analytes were reported as non-detect.

Data Validation

Upon final review of lab report #K0802413, Shaw Environmental, Inc. finds the data to be valid for its intended use (4/21/08 JMJ).

Notes:

QA – Quality Assurance °C – Degrees Celsius

QC - Quality Control VOC - Volatile Organic Compound
RPD - Relative Percent Difference LCS - Laboratory Control Sample

RPD - Relative Percent Difference LCS - Laboratory Control Sample MS - Matrix Spike MSD - Matrix Spike Duplicate

JMJ - Jeremy Matthew Jones

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Shaw Environmental, Inc. QA/QC Review

Groundwater - First Semiannual (1Q 2008) Compliance Groundwater Monitoring Event Leichner Brothers Recycling and Disposal Facility

CAS – Kelso, Washington, Report Number K0802543

Samples: LB-032408-14 (LB-1S), LB-032408-15 (LB-1D), LB-032408-16 (LB-20S), LB-032408 (LB-3D), LB-032408-18 (LB-3S), LB-032408-19 (LB-4D), LB-032408-20 (LB-4S(R)), LB-032408-22 (LB-10DR), LB-032408-21 (LB-10SR), LB-032408-23 (Field Blank), and Trip Blank.

Sample Date: 03/24/2008

Laboratory Sample Received Date: 03/25/2008 Laboratory Data Received Date: 04/16/2008 OA/OC Review Date: 04/25/2008 (JMJ)

Laboratory Sample Receipt Information: Samples received in good condition at a temperature of 5.7 °C.

VOCs

All sample surrogate % recoveries within QC limits. Surrogates

Trip Blank All ND.

Method Blank All ND, surrogate % recoveries within control limits.

All % recoveries within QC limits, and all surrogate % recoveries within QC **LCS**

Matrix Spike All % recoveries within OC limits. All RPDs within control limits.

MSD

The primary evaluation criterion was exceeded for methylene chloride and bromoform in ICAL ID 7189. Additional details can be found in the case narrative.

Dissolved Metals

Method Blank All ND.

LCS All % recoveries within QC limits.

All RPDs within QC limits. Duplicates

Matrix Spikes All % recoveries within QC limits.

General Chemistry

Method Blanks All ND.

LCS All % recoveries within QC limits.

Duplicates All RPDs within QC limits.

Matrix Spikes ' All % recoveries within QC limits.

Hold Times

All analytical hold times were met.

Reporting Limits

All established reporting limits were met.

Field QA/QC

Trip Blanks

A laboratory supplied trip blank was carried into the field with all the samples and returned to the laboratory for 8260 analysis. All analytes were reported as non-detect.

Field Blanks

A Field Blank (LB-032408-23) was collected on 3/24/08. All analytes were reported as non-detect except chloride, nitrate as nitrogen, and total dissolved solids.

Data Validation

Upon final review of lab report #K0802543, Shaw Environmental, Inc. finds the data to be valid for its intended use (4/25/08 JMJ).

Notes:

QA – Quality Assurance
QC – Quality Control
RPD – Relative Percent Difference
MS – Matrix Spike
JMJ – Jeremy Matthew Jones

°C – Degrees Celsius VOC – Volatile Organic Compound LCS – Laboratory Control Sample MSD – Matrix Spike Duplicate

Shaw Environmental, Inc. QA/QC Review Groundwater – First Semiannual (1Q 2008) Compliance Groundwater Re-Sampling Event Leichner Brothers Recycling and Disposal Facility CAS – Kelso, Washington, Report Number K0803705

Samples: MW10SR-043008 (LB-10SR).

Sample Date: 04/30/2008

Laboratory Sample Received Date: 04/30/2008 Laboratory Data Received Date: 05/14/2008 OA/OC Review Date: 06/02/2008 (JMJ)

Laboratory Sample Receipt Information: Samples received in good condition at a temperature of 0.1°C.

VOCs

Surrogates All sample surrogate % recoveries within QC limits. Method Blank All ND, surrogate % recoveries within control limits.

LCS All % recoveries within QC limits, and all surrogate % recoveries within QC

limits.

Matrix Spike All % recoveries within QC limits.
MSD All RPDs within control limits.

Hold Times

All analytical hold times were met.

Reporting Limits

All established reporting limits were met.

Field QA/QC

None associated with these samples.

Data Validation

Upon final review of lab report #K0803705, Shaw Environmental, Inc. finds the data to be valid for its intended use (6/02/08 JMJ).

Notes

QA – Quality Assurance
QC – Quality Control

RPD - Relative Percent Difference

MS - Matrix Spike

JMJ - Jeremy Matthew Jones

"C - Degrees Celsius

VOC – Volatile Organic Compound LCS – Laboratory Control Sample MSD – Matrix Spike Duplicate Shaw Environmental, Inc. QA/QC Review

Groundwater – Second Semiannual (3Q 2008) Compliance Groundwater Monitoring Event Leichner Brothers Recycling and Disposal Facility

CAS - Kelso, Washington, Report Numbers K0808955 and K0810187

Samples: LB-091608-1 (LB-1S), LB-091608-2 (LB-5S), LB-091608-8 (LB-5S Duplicate), LB-091608-3 (LB-6S), LB-091608-4 (LB-10S), LB-091608-5 (LB-13I), LB-091608-6 (LB-26I), LB-091608-7 (LB-27I), LB-091608-9 (Field Blank) and Trip Blank.

Sample Date: 09/16/2008

Laboratory Sample Received Date: 09/16/2008 Laboratory Data Received Date: 10/09/2008 OA/OC Review Date: 10/16/2008 (JMJ)

Laboratory Sample Receipt Information: Samples received in good condition at a temperature of 1.3 °C.

VOCs

Surrogates All sample surrogate % recoveries within QC limits.

Trip Blank All ND.

Method Blank All ND, surrogate % recoveries within control limits.

LCS All % recoveries within QC limits, and all surrogate % recoveries within QC

limits.

Matrix Spike All % recoveries within QC limits.

MSD All RPDs within control limits.

The primary evaluation criterion was exceeded for dichlorodifluoromethane and trichlorofluoromethane in ICAL ID 7782. Additional details can be found in the case narrative.

Dissolved Metals

Method Blank All ND.

LCS All % recoveries within QC limits.

Duplicates All RPDs within QC limits.

Matrix Spikes All % recoveries within QC limits.

General Chemistry

Method blanks All ND.

LCS All % recoveries within QC limits.

Duplicates All RPDs within QC limits.

Matrix Spikes All % recoveries within QC limits.

Hold Times

All recommended analytical hold times were met, with the exception of the trip blank sample (a laboratory-prepared deionized water sample).

Reporting Limits

All established reporting limits were met.

Field QA/QC

Trip Blanks

A laboratory supplied trip blank was carried into the field with all the samples and returned to the laboratory for 8260 analysis. Because the trip blank was not listed on the chain of custody, the analysis was put on hold. The trip blank was requested to be analyzed on 10/16/08. All analytes were reported as non-detect.

Data Validation

Upon final review of lab report #K0808955, Shaw Environmental, Inc. finds the data to be valid for its intended use (11/16/08 JMJ).

Notes: QA – Quality Assurance
QC – Quality Control RPD - Relative Percent Difference MS – Matrix Spike JMJ - Jeremy Matthew Jones

°C - Degrees Celsius VOC - Volatile Organic Compound. LCS - Laboratory Control Sample MSD - Matrix Spike Duplicate